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Search History

DATE: Monday, November 05, 2007 **Purge Queries** Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT; PLUR=YES; OP=OR		
L4	l3 and ad<19991130	15	L4
L3	L2 and (705/3).ccls.	15	L3
L2	L1 and (generat$4 or receiv$4 or transfer$4 or transmit$4) near20 (digital$2 or electronic$4) near20 represent$4 near20 patient (imag$3 or view$4) near20 (diagnos$4 or prognos$4) near20 (fold$4 or icon$3 or tree or hierarch$4)	294	L2
L1	(6260049 or 5513101 or 5818901).pn.	3	L1

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L3: Entry 14 of 15 File: USPT Nov 28, 2000

DOCUMENT-IDENTIFIER: US 6154750 A
TITLE: Method and system for navigation and data entry in heirarchically-organized database views

Detailed Description Text (28):
The present invention also supports database views that are not pure hierarchies, but which contain multiple paths between nodes (or hierarchies). Such views are referred to as directed acyclic graphs and are commonly used in database systems to reduce the need for the entry (and storage) of redundant data and to allow data to be viewed within multiple contexts. The database view shown in FIG. 18, for example, contains the Chest X-ray hierarchy 183 within both the Cardiac Tests 181 and Pulmonary Tests 182 hierarchies reflecting its use in diagnosing conditions in both medical specialties.

Current US Cross Reference Classification (2):
705/3

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L3: Entry 15 of 15 File: USPT Jul 6, 1999

DOCUMENT-IDENTIFIER: US 5920317 A
TITLE: System and method for storing and displaying ultrasound images

Current US Cross Reference Classification (2):
705/3

CLAIMS:

5. Apparatus for displaying ultrasound video images comprising, in combination:

means for capturing analog video signals representing ultrasound images of a specific subject and converting the analog video signals into digital data signals representing the ultrasound images;

means for associating the digital data signals with an identifier indicating the specific subject;

means for storing the digital data signals and the identifier in a memory;

means for retrieving and reviewing the digital data signals as full motion/still frame video images displayed on a display surface; and

means for generating a report of clinical findings and diagnosis related to a particular ultrasound scan to which the ultrasound images are related, including a point and click interface for selecting findings relevant to the particular ultrasound scan to which the ultrasound images are related, the point and click interface including a data tree in which buttons indicate anatomical structures and branches for specifying and describing the anatomical structures.

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L3: Entry 13 of 15 File: USPT Jan 6, 2004

DOCUMENT-IDENTIFIER: US 6674449 B1
TITLE: Multiple modality interface for imaging systems

Current US Cross Reference Classification (2):
705/3

CLAIMS:

1. A medical image data acquisition system interface usable with at least first and second different medical imaging data acquisition systems that include first and second data acquisition hardware configurations for acquiring data using different first and second medical image data acquisition modalities, respectively, wherein the first and second modalities may be selected from radiography, fluoroscopy, angiography, magnetic resonance imaging, ultrasound, nuclear medicine, positron emission tomography and computer tomography, each modality including functions which are common to each of the first and second modalities, each separate instance of the interface used with only a specific one of the first or second modality systems and linked to a diagnostic system for acquiring data according to the specific one of the first and second acquisition modalities, the interface comprising: a display; a programmed data processor for providing a uniform interface image on the display despite the specific data acquisition modality associated with the diagnostic system linked to the interface, the uniform interface image comprising: a function navigation space including function icons corresponding to data acquisition procedures which are common to both the first and second data acquisition modalities wherein, each procedure which is common to the first and second data acquisition modalities includes procedure-specific subprocesses; and a workspace adjacent the function navigation space for displaying, analyzing and manipulating images of a type consistent with the specific data acquisition modality, wherein the workspace includes a workflow navigation space in which, when a function icon is selected, the processor displays a workflow icons set including a separate workflow icon corresponding to each subprocess of the process associated with the selected function icon and for the specific modality; and a pointing device for moving a pointer icon about the display and for selecting displayed icons; wherein, when an icon is selected, the processor correlates the selected icon with a corresponding data acquisition command and executes the command; and wherein each subprocess includes subprocess specific parameters, the workspace includes both an imaging window and a parameter setting space adjacent the imaging window and, when a workflow icon is selected, the processor displays a parameter value set and setting icons in the setting space which correspond to the subprocess specific parameters associated with the selected workflow icon, each parameter value indicating the current parameter value, the setting icons useable to modify the current parameter values.

14. A medical image data acquisition system interface usable with at least first and second different medical imaging data acquisition systems that include first and second data acquisition hardware configurations for acquiring data using different first and second medical image data acquisition modalities, respectively, wherein the first and second modalities may be selected from radiography, fluoroscopy, angiography, magnetic resonance imaging, ultrasound, nuclear medicine, positron emission tomography and computer tomography, each modality including

functions which are common to each of the first and second modalities, each separate instance of the interface used with only a specific one of the first or second modality systems and linked to a diagnostic system for acquiring data according to the specific one of the first and second acquisition modalities, the interface comprising: a display; a programmed data processor for providing a uniform interface image on the display despite the specific data acquisition modality associated with the diagnostic system linked to the interface, the uniform interface image comprising: a function navigation space including function icons corresponding to data acquisition procedures which are common to both the first and second data acquisition modalities wherein, each procedure which is common to the first and second data acquisition modalities includes procedure-specific subprocesses; and a workspace adjacent the function navigation space for displaying, analyzing and manipulating images of a type consistent with the specific data acquisition modality, wherein the workspace includes a workflow navigation space in which, when a function icon is selected, the processor displays a workflow icons set including a separate workflow icon corresponding to each subprocess of the process associated with the selected function icon and for the specific modality; and a pointing device for moving a pointer icon about the display and for selecting displayed icons; wherein, when an icon is selected, the processor correlates the selected icon with a corresponding data acquisition command and executes the command; and wherein the processor stores a workflow table which correlates subprocess sets with each modality function and wherein the processor provides a protocols icon which, when selected, causes the processor to display icons in the workspace for modifying the subprocess set to provide a modified subprocess set which is then stored by the processor as the subprocess set, the next time the corresponding function icon is selected, the processor providing a workflow icon for each of the subprocesses in the subprocess set.

15. A medical image data acquisition system interface usable with at least first and second different medical imaging data acquisition systems that include first and second data acquisition hardware configurations for acquiring data using different first and second medical image data acquisition modalities, respectively, wherein the first and second modalities may be selected from radiography, fluoroscopy, angiography, magnetic resonance imaging, ultrasound, nuclear medicine, positron emission tomography and computer tomography, each modality including functions which are common to each of the first and second modalities, each separate instance of the interface used with only a specific one of the first or second modality systems and linked to a diagnostic system for acquiring data according to the specific one of the first and second acquisition modalities, the interface comprising: a display; a programmed data processor for providing a uniform interface image on the display despite the specific data acquisition modality associated with the diagnostic system linked to the interface, the uniform interface image comprising: a function navigation space including function icons corresponding to data acquisition procedures which are common to both the first and second data acquisition modalities wherein, each procedure which is common to the first and second data acquisition modalities includes procedure-specific subprocesses; and a workspace adjacent the function navigation space for displaying, analyzing and manipulating images of a type consistent with the specific data acquisition modality, wherein the workspace includes a workflow navigation space in which, when a function icon is selected, the processor displays a workflow icons set including a separate workflow icon corresponding to each subprocess of the process associated with the selected function icon and for the specific modality; and a pointing device for moving a pointer icon about the display and for selecting displayed icons; wherein, when an icon is selected, the processor correlates the selected icon with a corresponding data acquisition command and executes the command; and wherein a plurality of physicians may prescribe imaging using the specific modality and each physician may have a different subprocess procedure for modality functions, the processor storing a table which correlates each physician with a physician specific subprocess set for each function, a physician identifier provided to the processor and, when a

specific function icon Is selected, the processor accesses the table, correlates the physician identifier with selected function subprocess set and provides a workflow icon for each subprocess in the subprocess set.

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